

Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 21, 2012

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-9501964, issued to SANCHO OIL & GAS CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feet free to contact the at (304) 926-0499 ext. 1654.

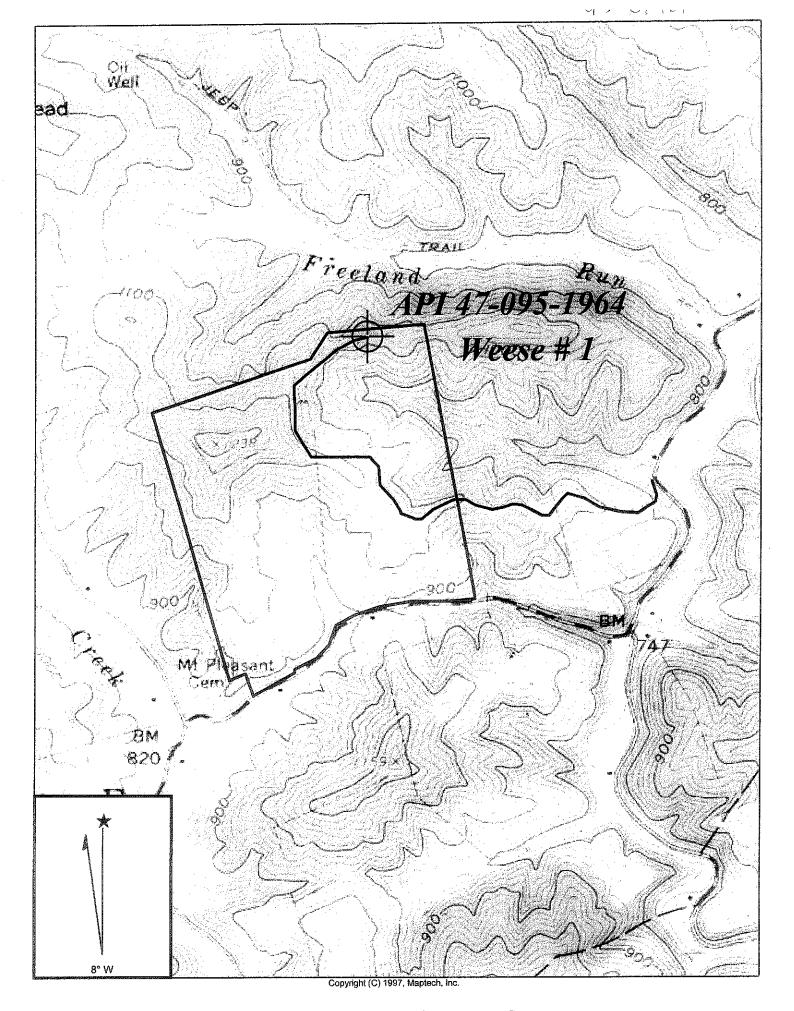
James Martin

Operator's Well No: WEESE 1

Farm Name: WEESE, ROGER R.

API Well Number: 47-9501964 Permit Type: Re-Work

Date Issued: 09/21/2012



MIDDLEBOURNE QUADRANGLE

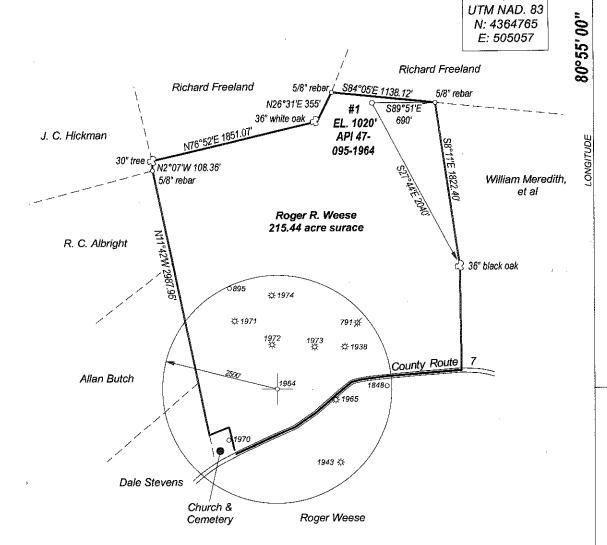
SCALE 1" = 1000'

SANCHO OIL & GAS

WELL: WEESE #1 · API 47-095-1964 ROGER R. WEESE 110 ACRE (EAST PART) OF 228 ACRE 105 POLE LEASE

MEADE DISTRICT TYLER COUNTY WEST VIRGINIA

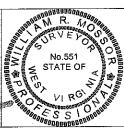
ATITUDE 39°27'30"



ROGER R. WEESE 228 ACRE 105 POLE LEASE

I, THE UNDERSIGNED, HEPLBY CERTIFY THAT THIS PLAT IS CORREST TO THE BEST OF MY MOWLEDGE AND BELIEF IND SHOWS ALL THE INFORMATION REQUIRED BY MY AND THE REGULATIONS ISSUED AND PRESCRIBE BY LEDEPARTMENT OF ENERGY.

OFESSIONAL SURVEYOR: 551



STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY DIVISION OF OIL AND GAS

DATE MAY 25TH, 2012
OPERATORS WELL NO. WEESE # 1

API 47 - 095 - 1964
PERMIT

WELL TYPE: OIL XX GAS XX LIQUID INJECTION _ (IF GAS) PRODUCTION XX STORAGE ___ WASTE DISPOSAL __DEEP ___ SHALLOW XX WATER SHED S. TYLER SANCHO CREEK & FREELAND RUN
__QUADRANGLE ____MIDDLEBOURNE MEADE DISTRICT__ COUNTY ACREAGE SURFACE OWNER _ OIL & GAS ROYALTY ROGER R. WEESE ROGER R. WEESE LEASE AC 228 AC. 105 PO. CDRILL____CONVERT___DRILL DEEPER___REDRILL__ FRACTURE OR STIMULATE ___PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION XX OTHER PHYSICAL CHANGE IN WELL_PERFORATE 4 1/2 " TO ALLOW OIL TO DRAIN INTO 4 1/2" PROPOSED WORK:DRILL PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ESTIMATED DEPTH

TARGET FORMATIO	N BOAW	 ESTIMA	12D DEI 111	٠
WELL OPERATOR	SANCHO OIL & GAS	DESIGNATED AGENT	LOREN BAGLEY	
ADDRESS	P. 0. BOX 175	 ADDRESS	P. 0. BOX 175	
	ST MARYS INV 26170	 	ST. MARYS, WV 261	ĺ

FORM WW - 6



Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 21, 2012

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-9703843, issued to MOUNTAIN V OIL & GAS, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feet free to contact the at (304) 926-0499 ext. 1654.

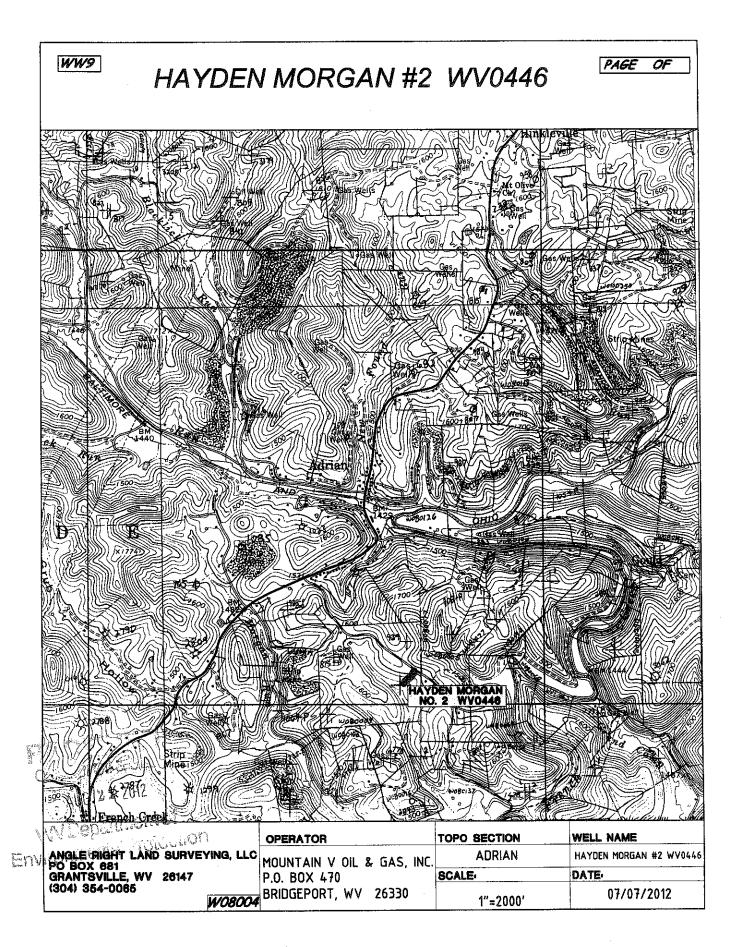
James Martin

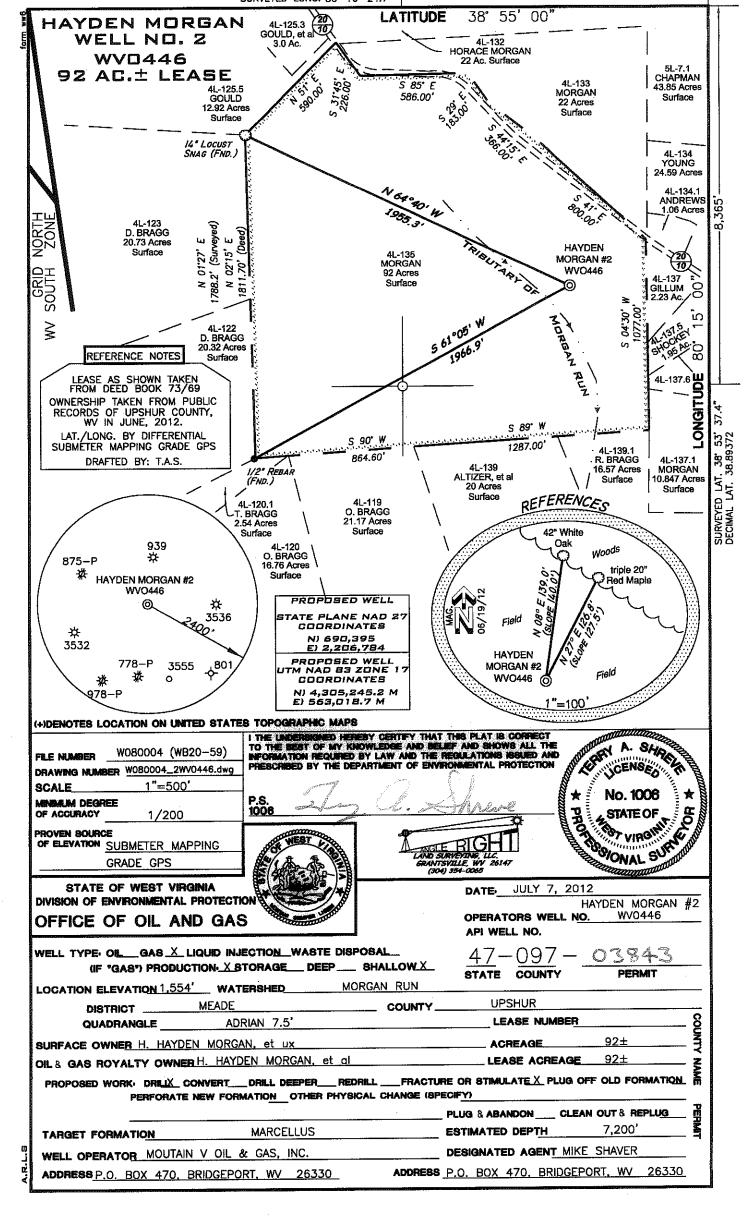
Operator's Well No: HAYDEN MORGAN 2 WV0446

Farm Name: H. HAYDEN MORGAN, ET UX

API Well Number: 47-9703843
Permit Type: Vertical Well

Date Issued: 09/21/2012







Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 21, 2012

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-103283, issued to ANJA RESOURCES, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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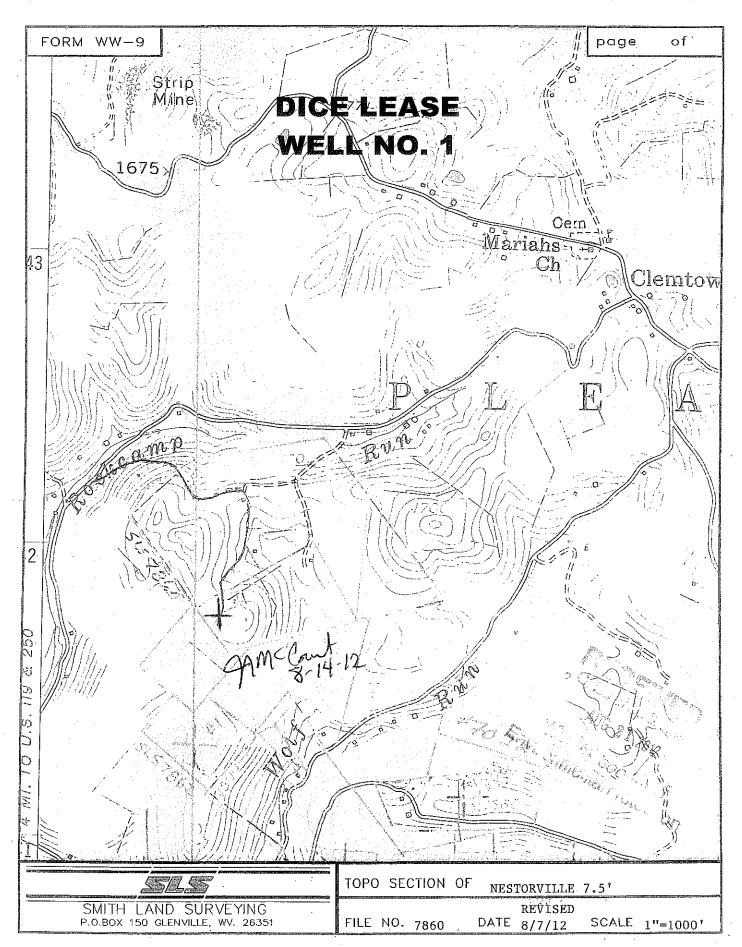
James Martin

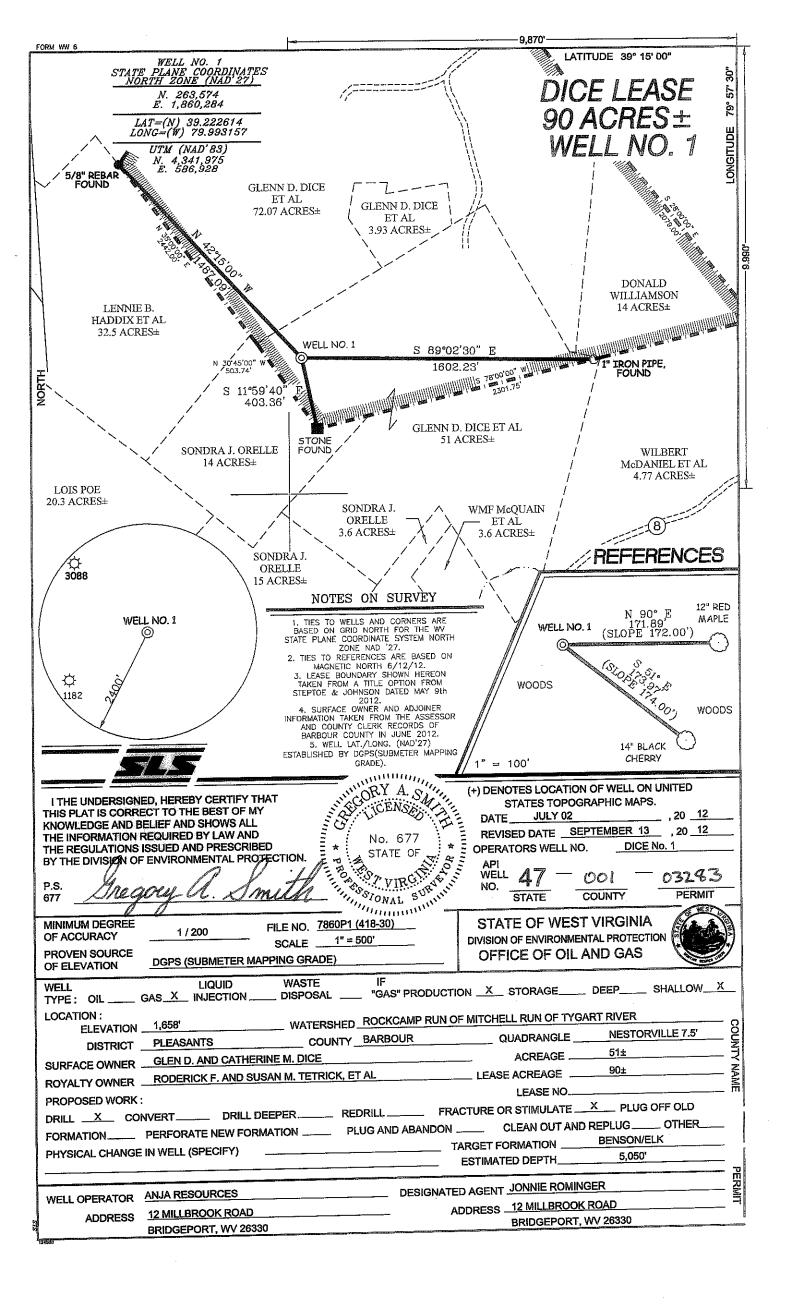
Operator's Well No: DICE 1

Farm Name: DICE, GLEN D. AND CATHERINE

API Well Number: 47-103283

Permit Type: Vertical WellDate Issued: 09/21/2012







Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 20, 2012

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-103282, issued to ANJA RESOURCES, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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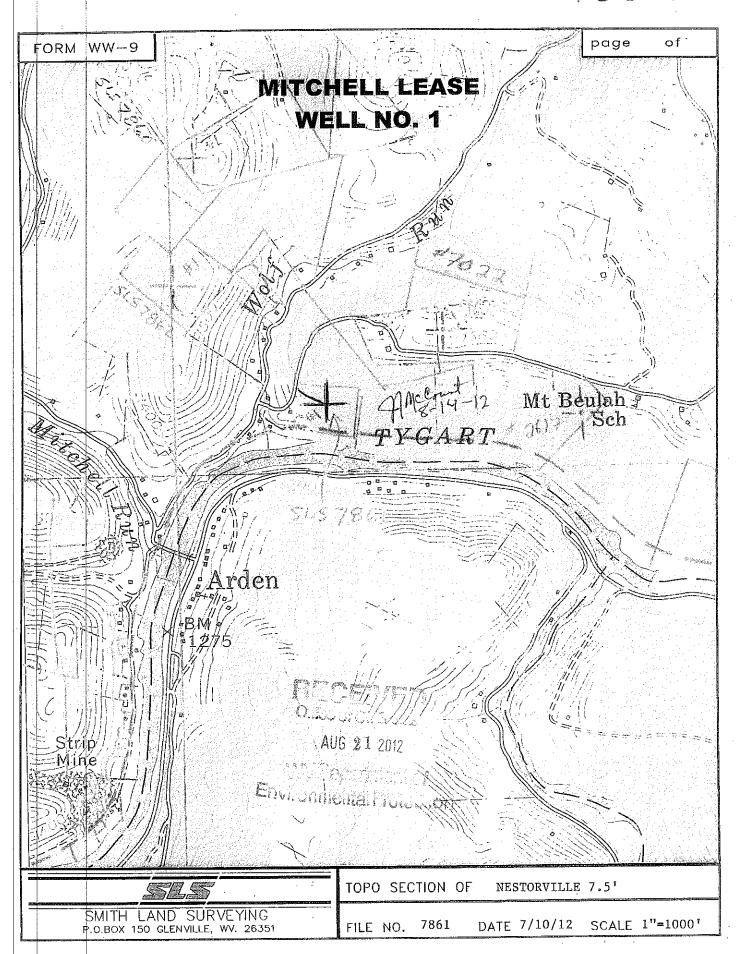
James Martin

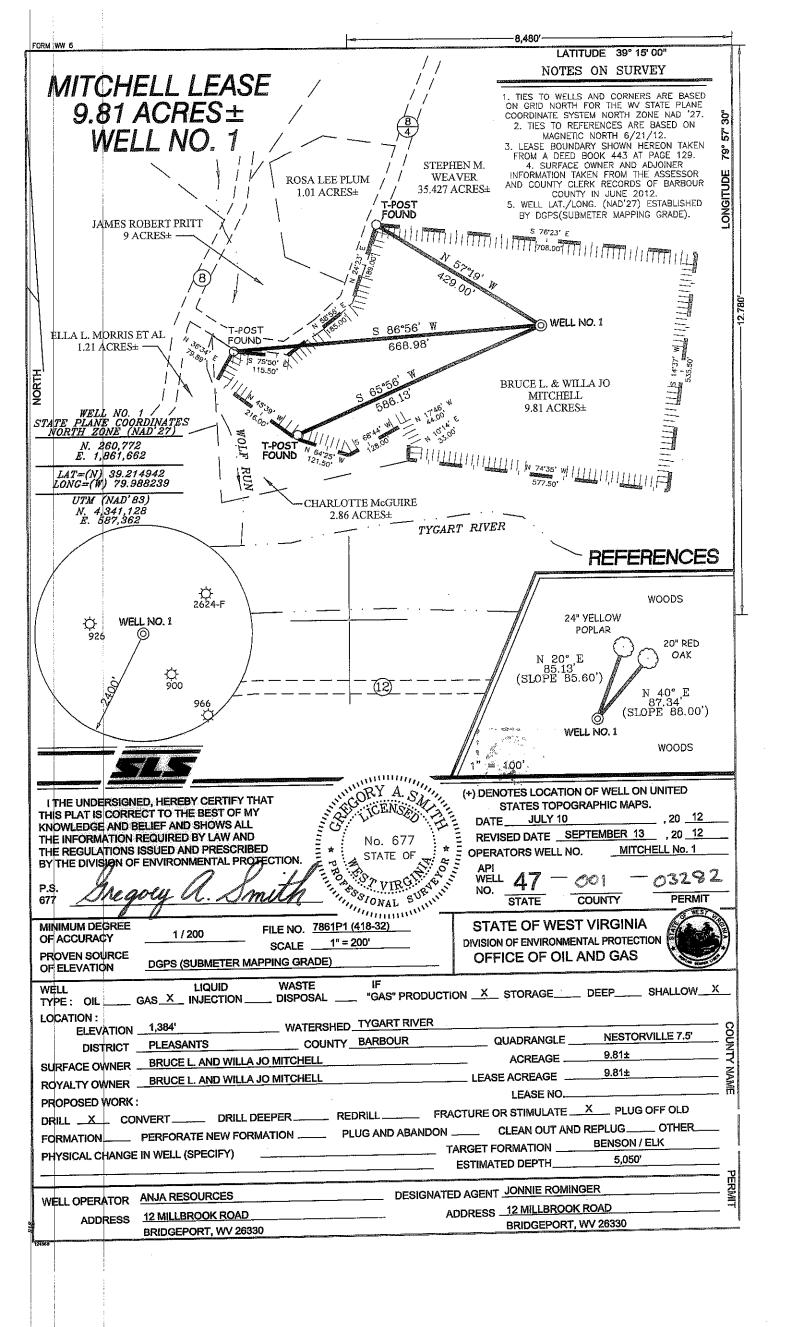
Operator's Well No: MITCHELL 1

Farm Name: MITCHELL, BRUCE L. AND WILI

API Well Number: 47-103282
Permit Type: Vertical Well

Date Issued: 09/20/2012







Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (804) 926-0450 (804) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 21, 2012

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-900150, issued to CHESAPEAKE APPALACHIA, L.L.C., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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James Martin

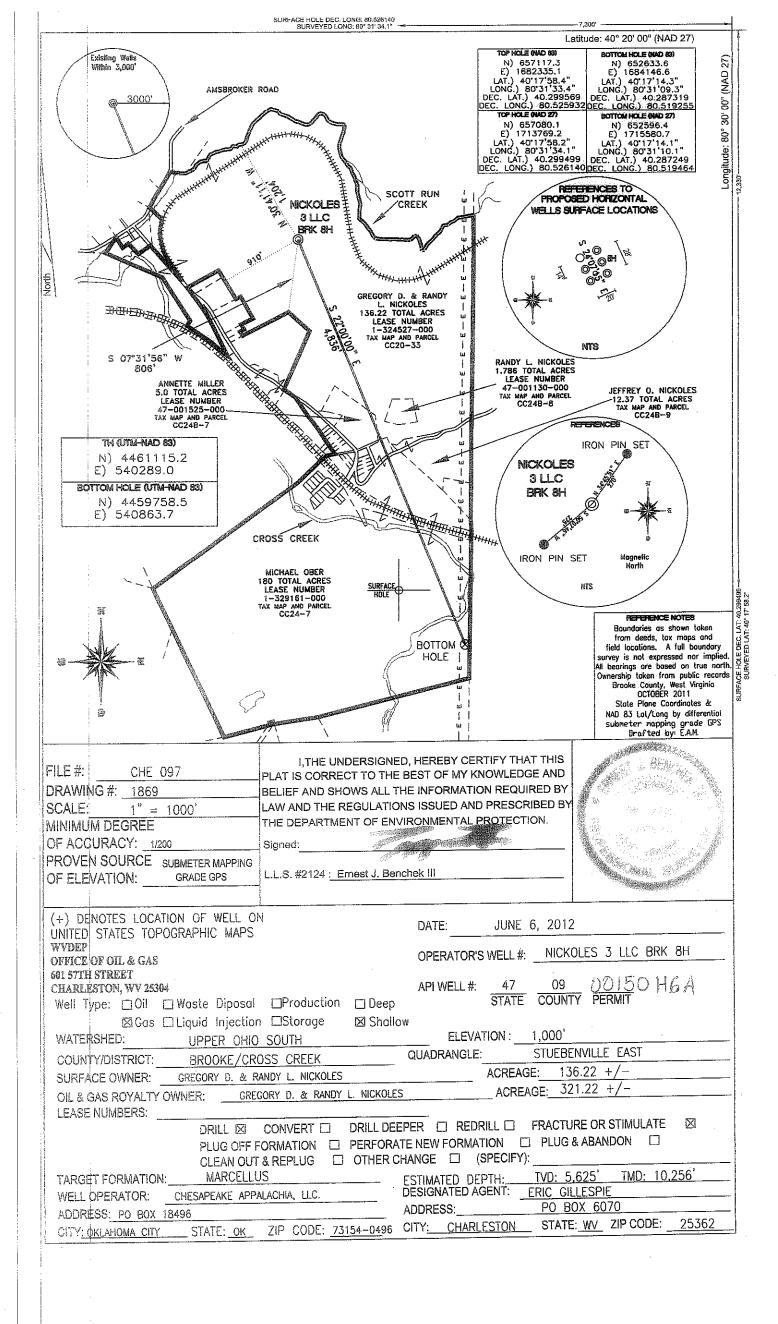
Operator's Well No: NICKOLES 3 LLC BRK 8H

Farm Name: NICKOLES, GREGORY D. & RAN

API Well Number: 47-900150

Permit Type: Horizontal 6A Well

Date Issued: 09/21/2012





Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax

Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 20, 2012

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-103281, issued to ANJA RESOURCES, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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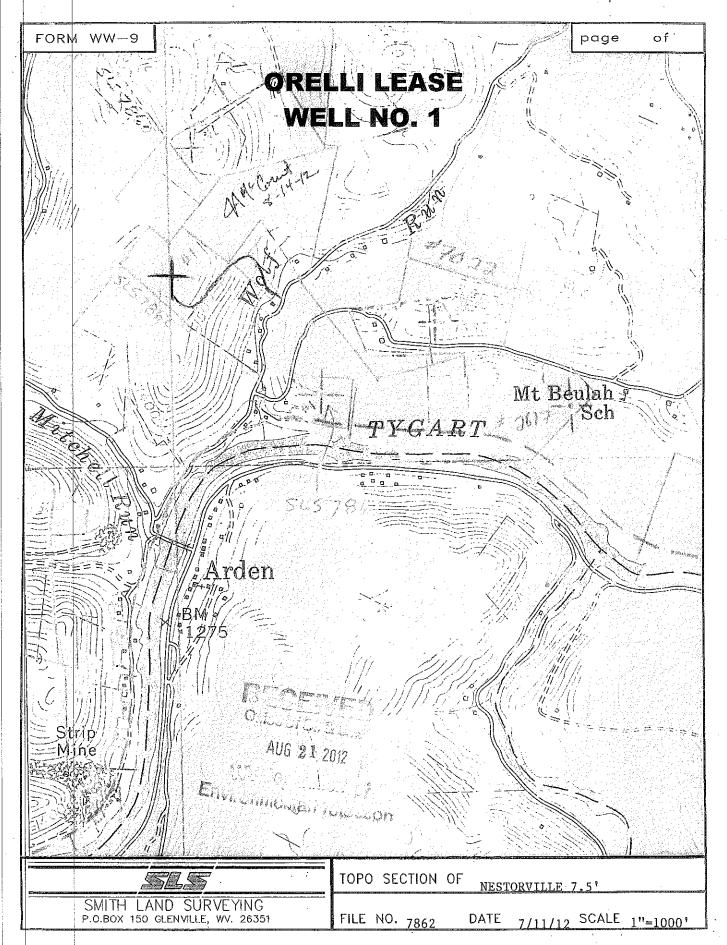
James Martin

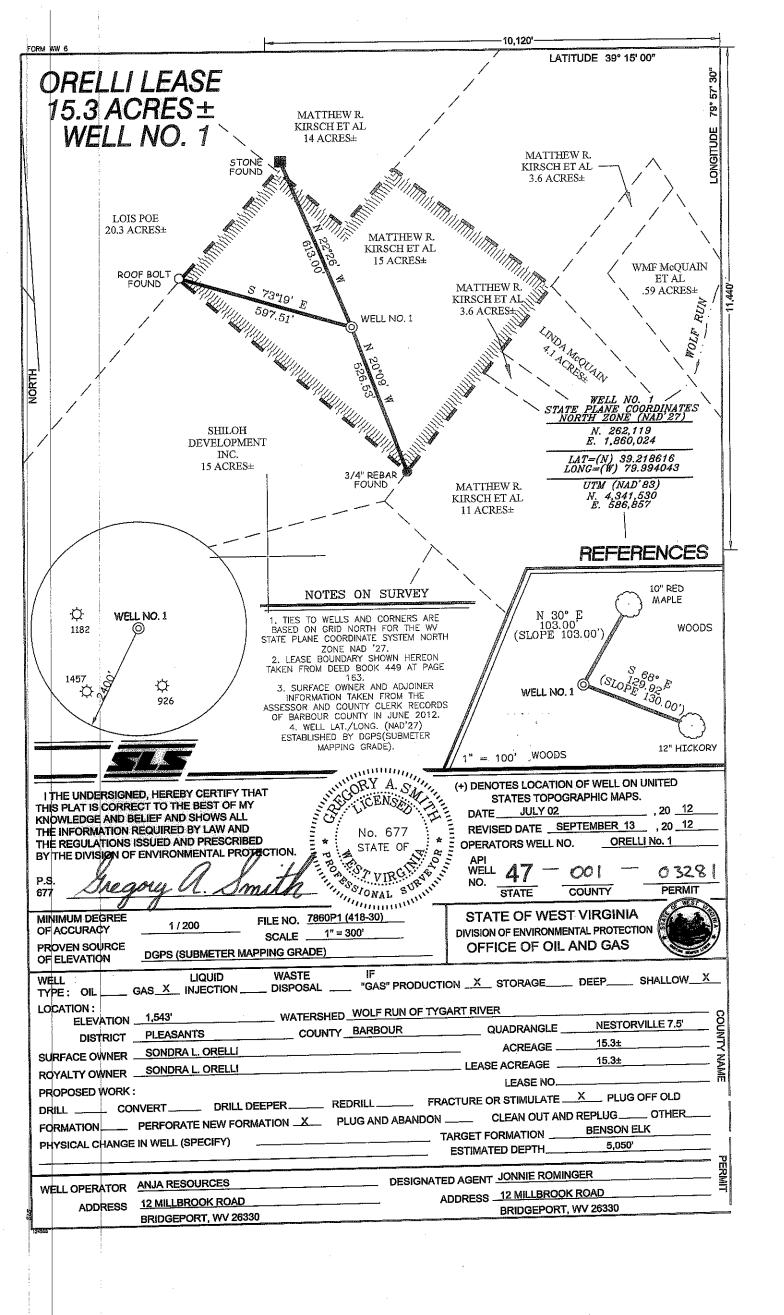
Operator's Well No: ORELLI 1

Farm Name: ORELLI, SONDRA L.

API Well Number: 47-103281

Permit Type: Vertical Well Date Issued: 09/20/2012







Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 21, 2012

WELL WORK PERMIT

Re-Work

This permit, API Well Number: 47-7301117, issued to LIPPIZAN PETROLEUM, INC., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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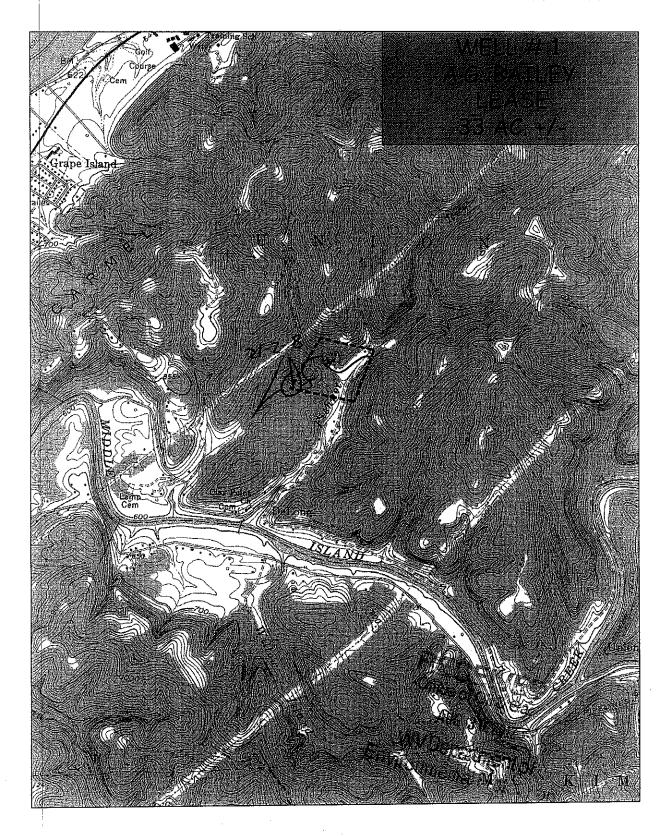
Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact the at (304) 926-0499 ext. 1654.

Operator's Well No: BAILEY 1

Farm Name: BAILEY, MATTHEW

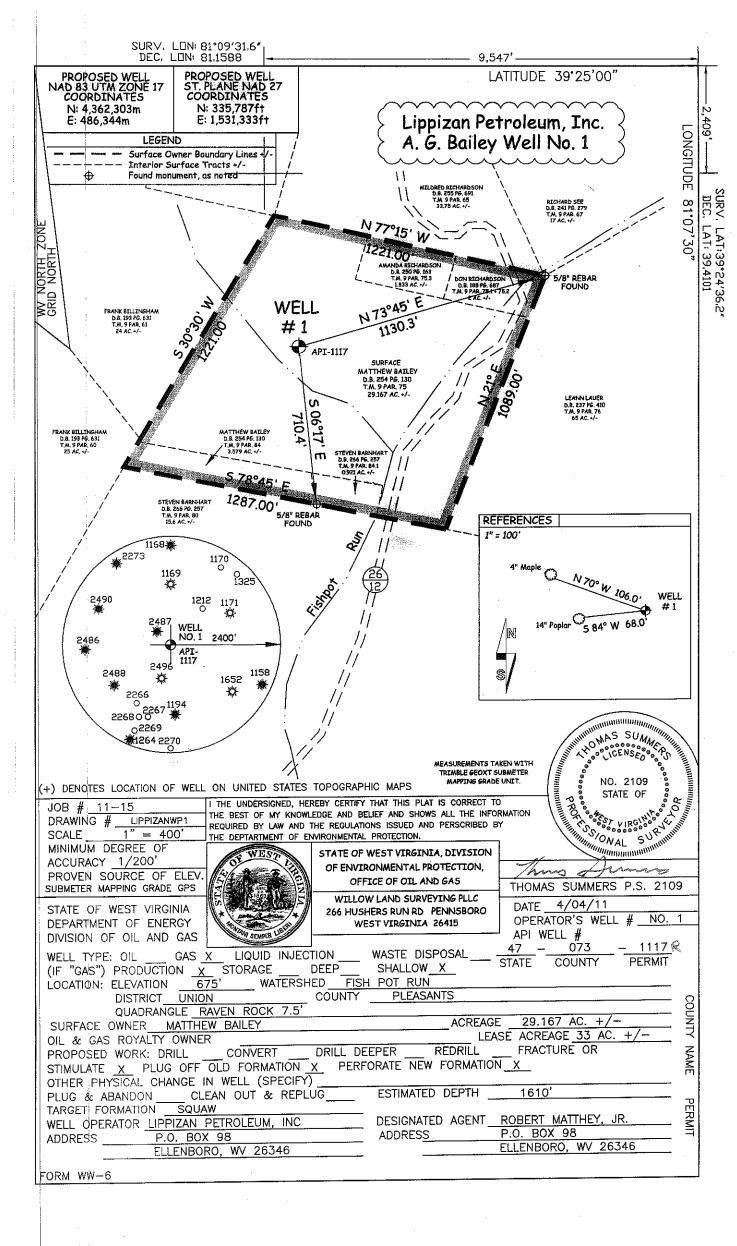
James Martin

API Well Number: 47-7301117 Permit Type: Re-Work Date Issued: 09/20/2012



WILLOW LAND SURVEYING PLLC 266 HUSHERS RUN RD PENNSBORO, WV 26415 (304) 659-3207

TOPO SECTION OF RAVEN ROCK 7.5' JOB # 11-015 4/04/11 1" = 1000'





Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 20, 2012

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3901488, issued to PANTHER, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

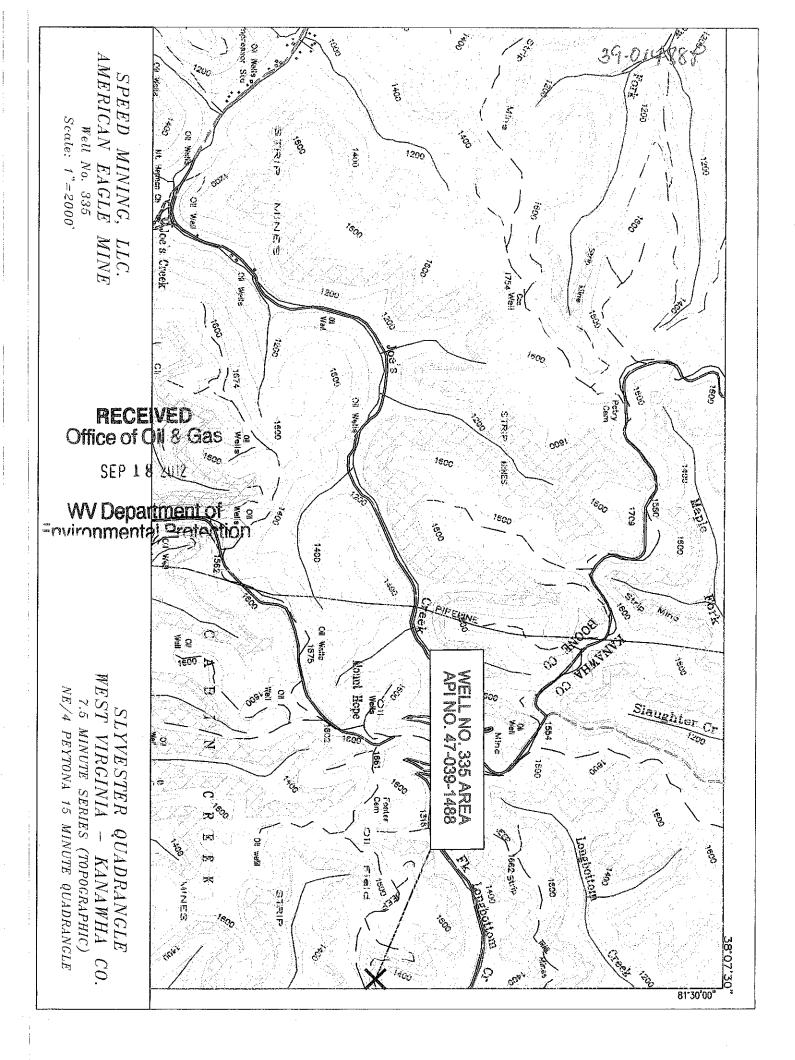
James Martin

Operator's Well No: 335

Farm Name: SHONK LAND COMPANY

API Well Number: 47-3901488

Permit Type: PluggingDate Issued: 09/20/2012





West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

API: 47-039- 1488 (WELL NO.:	335				
FARM NAME: Williams Coal Co.	W. W.					
RESPONSIBLE PARTY NAME: Gary	E. Acord	AND THE PROPERTY OF THE PROPER				
COUNTY: Kanawha	DISTRICT:	Cabin Creek				
QUADRANGLE: Sylvester						
SURFACE OWNER: Shonk Land C	ompany					
ROYALTY OWNER: Shonk Land Company						
UTM GPS NORTHING: 4217399.2						
UTM GPS EASTING: 456114.5 GPS	ELEVATION:	1,417.8 feet				
	t and	tra Carata and Banatia				
The Responsible Party named above has chosen to subplat for a plugging permit or assigned API number on the	mit GPS coordinates in the above well. The Office	te of Oil and Gas will not accept GF				
coordinates that do not meet the following requirements	s:					
1. Datum: NAD 1983, Zone: 17 North, Coordinate	Units: meters, Altitude:	height above mean sea level (MSL)				
meters.						
2. Accuracy to Datum – 3.05 meters						
3. Data Collection Method: Survey grade GPS X_: Post Processed Differential						
Real-Time Differential						
Mapping Grade GPS: Post Processed Differential						
Real-Time Differential						
4. Letter size copy of the topography map show! I the undersigned, hereby certify this data is correct information required by law and the regulations iss	to the best of my knowl	edge and belief and shows all the e Office of Oil and Gas.				
Sange Clared, PE Super Signature	<u>usino. Engineze</u> Title	9-13-12 Date				



Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 20, 2012

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-3906342, issued to PANTHER, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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This permit will expire in two (2) years from date of issue. If

please free to contact me at (304) 926-0499 ext. 1654.

are any questions.

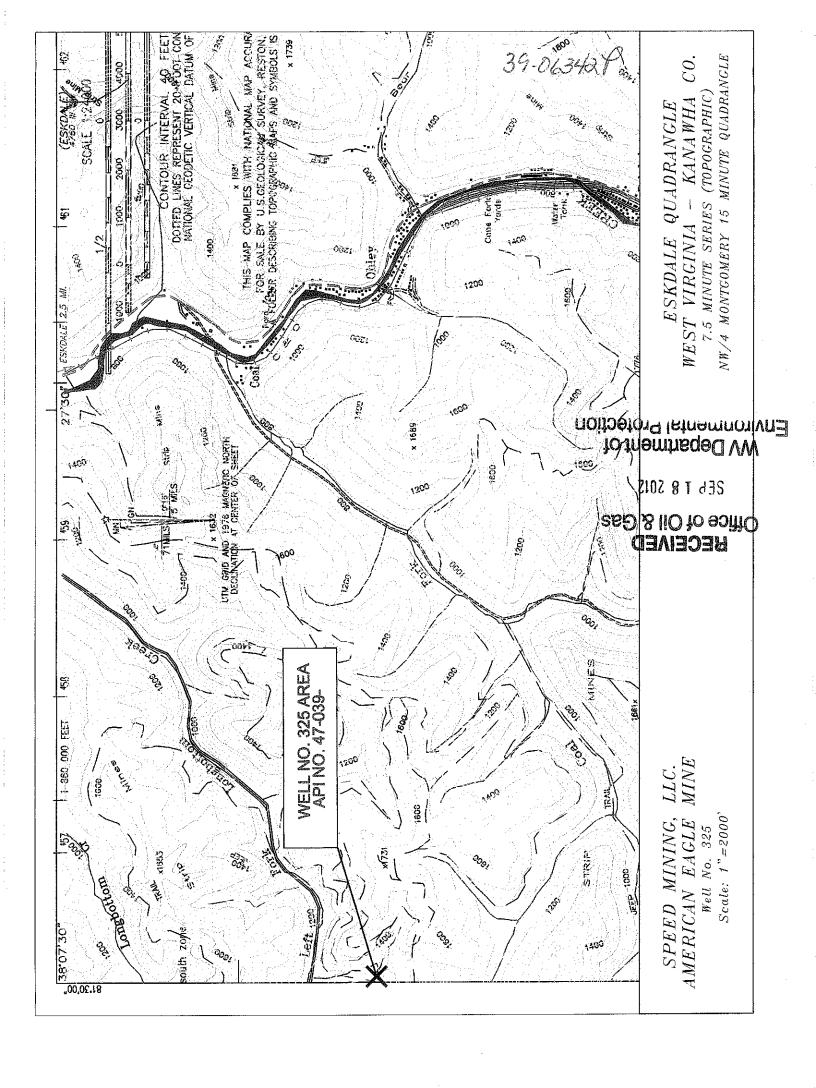
James Martin

Operator's Well No: 325

Farm Name: SHONK LAND COMPANY

API Well Number: 47-3906342

Permit Type: Plugging
Date Issued: 09/20/2012





West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

39-06342 F Needs an API Number (Kan 1454) WELL NO.: 325 FARM NAME: Williams Coal Co. RESPONSIBLE PARTY NAME: Gary E. Acord ____ DISTRICT: ___ Cabin Creek COUNTY: Kanawha Eskdale **OUADRANGLE:** Shonk Land Company SURFACE OWNER: Shonk Land Company ROYALTY OWNER: 4217573.8 **UTM GPS NORTHING:** GPS ELEVATION: 1274.6 feet UTM GPS EASTING: 456283.1 The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements: 1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) meters. 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS X : Post Processed Differential _ Real-Time Differential Mapping Grade GPS ____: Post Processed Differential ____ Real-Time Differential 4. Letter size copy of the topography map showing the well location. I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas. Tange George Superising ENGINEER 9-13-12

mature Title Date



Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 20, 2012

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-100866, issued to CHESAPEAKE APPALACHIA, L.L.C., is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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James Martin

Chref

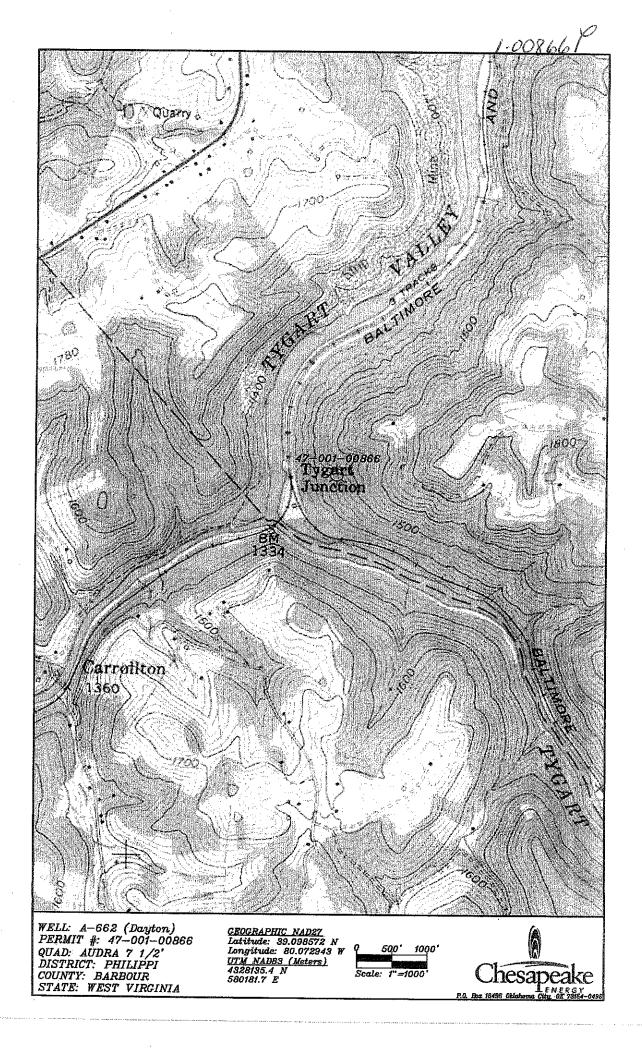
Operator's Well No: 910662

Farm Name: CORLEY, CHARLES

API Well Number: 47-100866

Permit Type: Plugging

Date Issued: 09/20/2012





West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

API:47-001-00866 P WELL NO.: 910662
FARM NAME: Ruth Woods Dayton
RESPONSIBLE PARTY NAME: Chesapeake Appalachia, LLC
COUNTY: Barbour DISTRICT: Audra
QUADRANGLE: Philippi
SURFACE OWNER: Charles Corely
ROYALTY OWNER: Same
UTM GPS NORTHING: 4328135.4
UTM GPS EASTING: 580181.7
GPS ELEVATION: 1512'
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements: 1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters. 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Differential Real-Time Differential Mapping Grade GPS: Post Processed Differential Real-Time Differential
4. Letter size copy of the topography map showing the well location.
I the undersigned, hereby certify this data is correct to the best of my knowledge and
belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.
Signature Title



Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 19, 2012

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-9502054, issued to ANTERO RESOURCES APPALACHIAN CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issuedate unless permitted well work is commenced. If there are any questions, please feel free contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

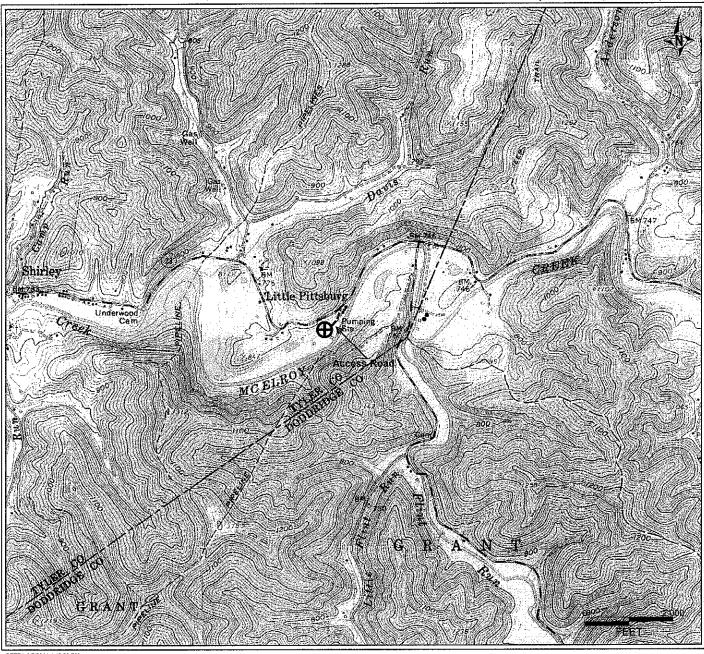
Operator's Well No: ED ARNOLD UNIT 3H

Farm Name: MOORE, FOREST AND BRENDA

API Well Number: 47-9502054

Permit Type: Horizontal 6A Well

Date Issued: 09/19/2012

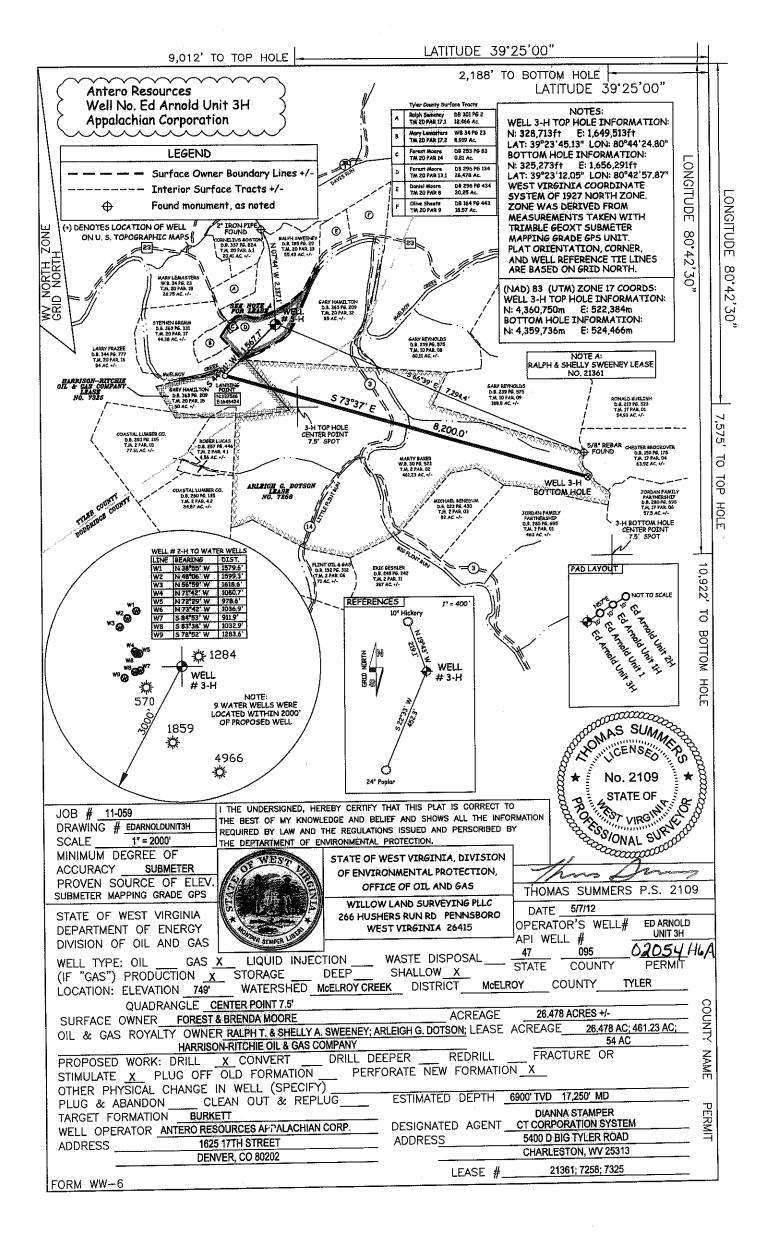


Antero Resources Corporation APPALACHIAN BASIN

> Ed Arnold Unit 3H Tyler County

REMARKS
QUADRANGLE: CENTER POINT
WATERSHED: MCELROY
DISTRICT: MCELROY

Date: 08/26/11





Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 19, 2012

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-8700133, issued to UNKNOWN - DEP PAID PLUGGING CONTRACT, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue. If there are any questions, please free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chie

Operator's Well No: STARCHER 2

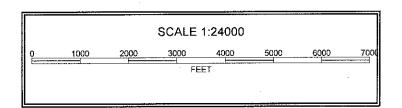
Farm Name: TRUMAN, JOHN

API Well Number: 47-8700133

Permit Type: Plugging
Date Issued: 09/19/2012

87-001334

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West Virginia Department of Environmental Protection Office of Oil and Gas

WELL LOCATION FORM: GPS

API: 47-87-00133 WE	LL NO.:_#2
FARM NAME:John Truman	
RESPONSIBLE PARTY NAME:WVDEP	
COUNTY:Roane DISTRICT: _S	mithville
QUADRANGLE:Tarriff	
SURFACE OWNER: John Truman	
ROYALTY OWNER:Charles Despard	
UTM GPS NORTHING:4280553N	
UTM GPS EASTING:480673E GPS	ELEVATION:_1025'
The Responsible Party named above has chosen to subspreparing a new well location plat for a plugging permit above well. The Office of Oil and Gas will not accept the following requirements: 1. Datum: NAD 1983, Zone: 17 North, Coording height above mean sea level (MSL) – meters 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Differential Real-Time Differential Mapping Grade GPS: Post Processed Differential 4. Letter size copy of the topography map so I the undersigned, hereby certify this data is correct to the belief and shows all the information required by law an prescribed by the Office of Oil and Gas.	at or assigned API number on the GPS coordinates that do not meet nate Units: meters, Altitude: s. al
	aspector
Signature Tit	·le
Date 9/17/12	



Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 18, 2012

WELL WORK PLUGGING PERMIT

Plugging

This permit, API Well Number: 47-7901341, issued to CABOT OIL & GAS CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. The above named operator will also file, as required in WV Code 22-6-23, an affidavit on form WR-38 by two experienced persons in the operator's employment and the Oil and Gas inspector that the work authorized under this permit was performed and a description given. Failure to abide by all statutory and regulatory provisions governing all duties and operations here under may result in suspensions or revocation of this permit and in addition may result in civil and/or criminal penalities being imposed upon the operator.

This permit will expire in two (2) years from date of issue please free to contact me at (304) 926-0499 ext. 1654.

If there are any questions,

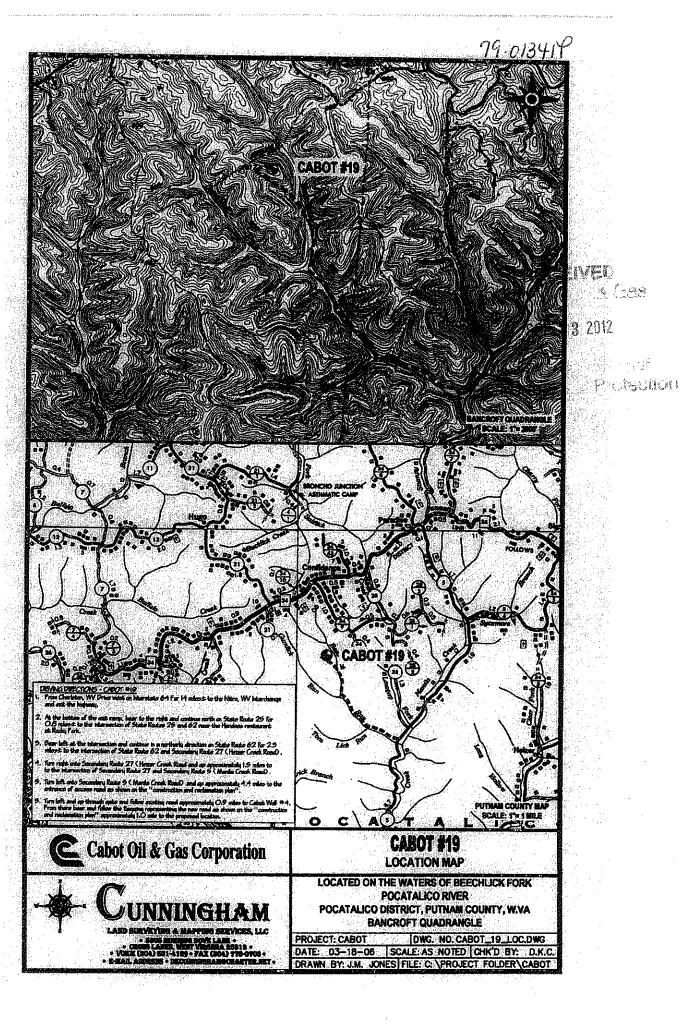
James Martin Chief

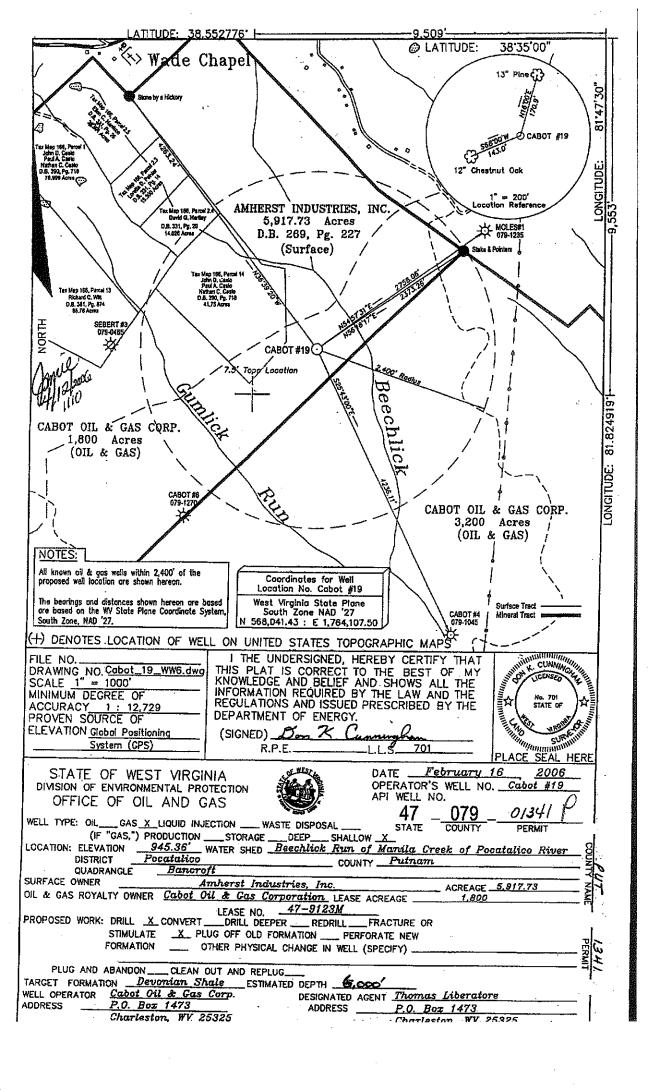
Operator's Well No: CABOT 19

Farm Name: AMHERST INDUSTRIES, INC.

API Well Number: 47-7901341

Permit Type: Plugging
Date Issued: 09/18/2012







Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 18, 2012

WELL WORK PERMIT Secondary Recovery Well

This permit, API Well Number: 47-10302391, issued to HG ENERGY, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

Chief

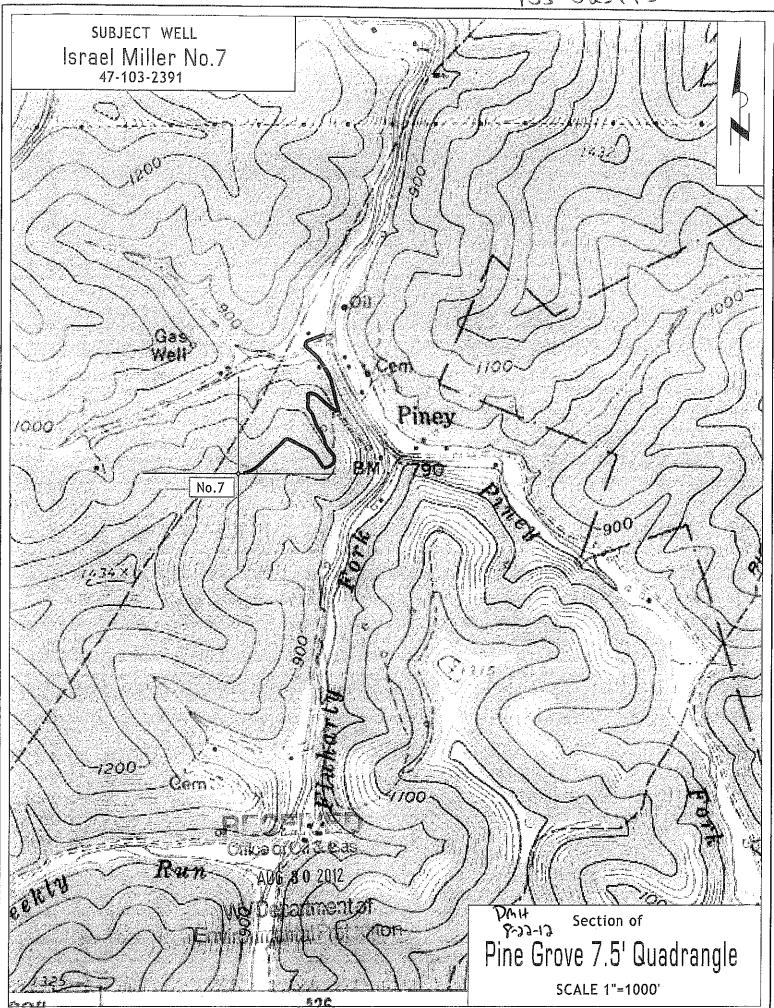
Operator's Well No: ISRAEL MILLER 7

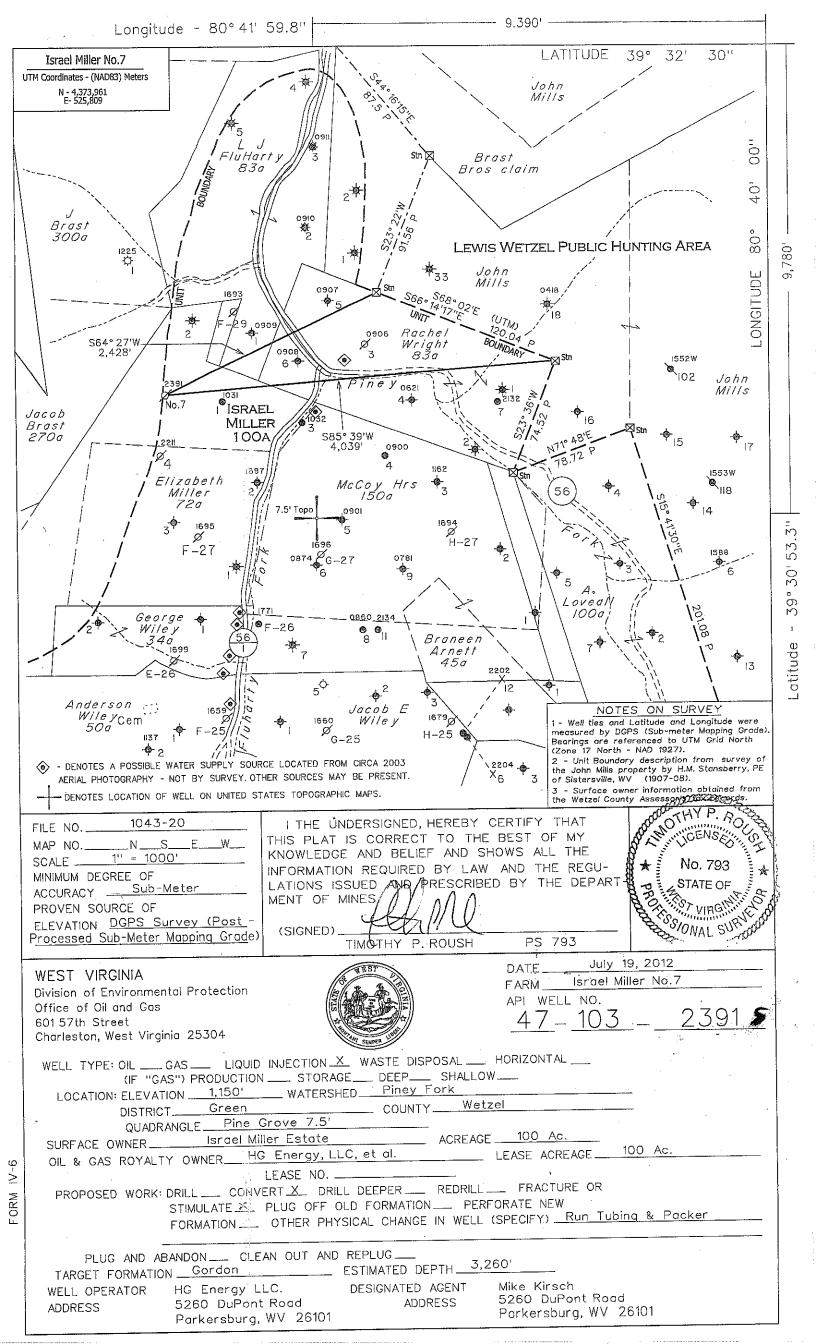
Farm Name: MILLER, ISRAEL - ESTATE

API Well Number: 47-10302391

Permit Type: Secondary Recovery Well

Date Issued: 09/18/2012







Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 18, 2012

WELL WORK PERMIT Secondary Recovery Well

This permit, API Well Number: 47-10302829, issued to HG ENERGY, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin

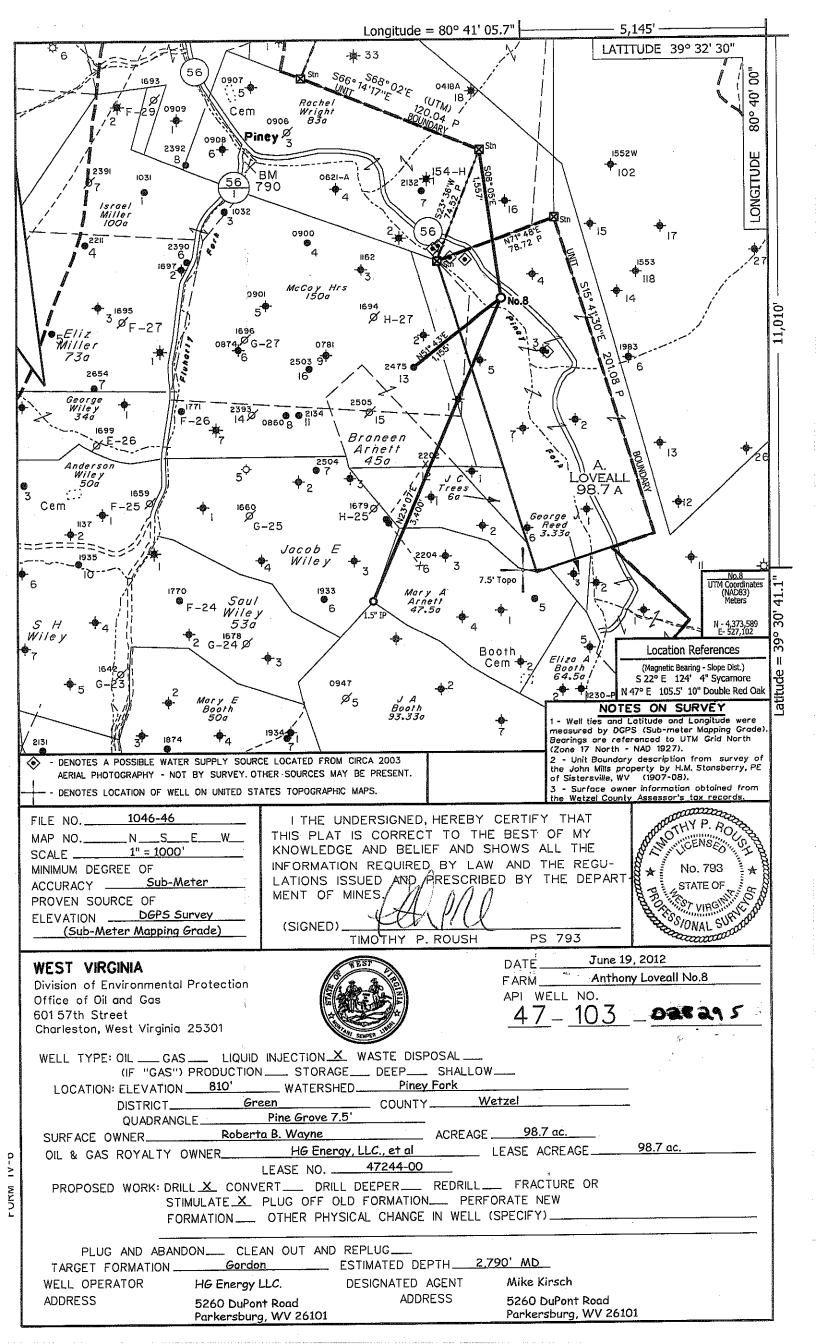
Chief

Operator's Well No: ANTHONY LOVEALL 8 Farm Name: WAYNE, ROBERTA B.

API Well Number: 47-10302829

Permit Type: Secondary Recovery Well

Date Issued: 09/18/2012





Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 18, 2012

WELL WORK PERMIT

Secondary Recovery Well

This permit, API Well Number: 47-10302830, issued to HG ENERGY, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

Please be advised that form WR-35, well operators report of well work, is to be submitted to this office within 90 days of completion of drilling, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926-0499 ext. 1654.

James Martin Chief

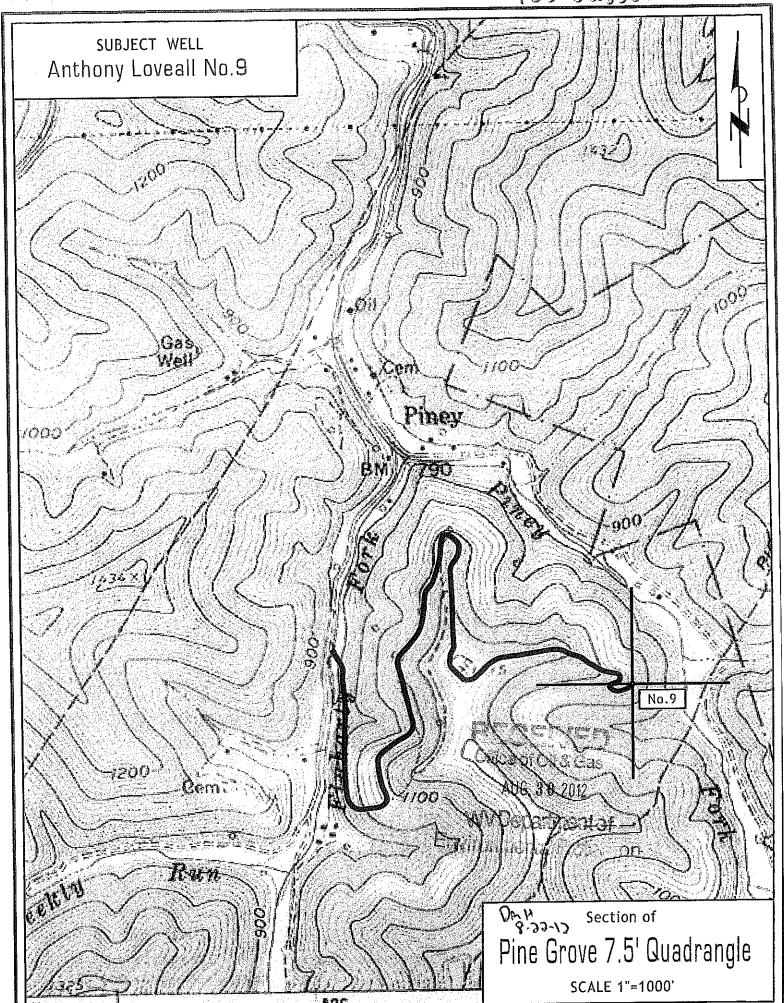
Operator's Well No: ANTHONY LOVEALL 9

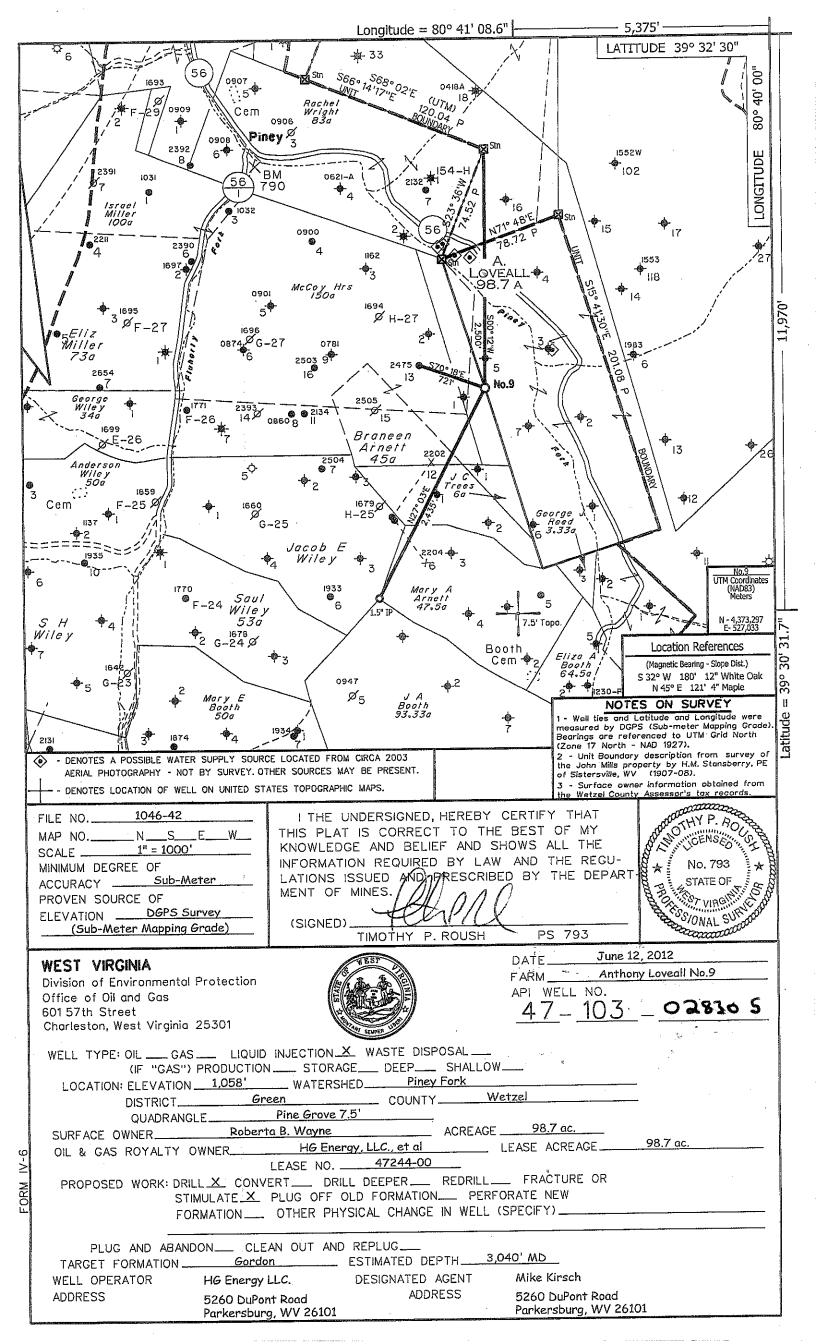
Farm Name: WAYNE, ROBERTA B.

API Well Number: 47-10302830

Permit Type: Secondary Recovery Well

Date Issued: 09/18/2012







Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 14, 2012

WELL WORK PERMIT

Vertical Well

This permit, API Well Number: 47-9502062, issued to HG ENERGY, LLC, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

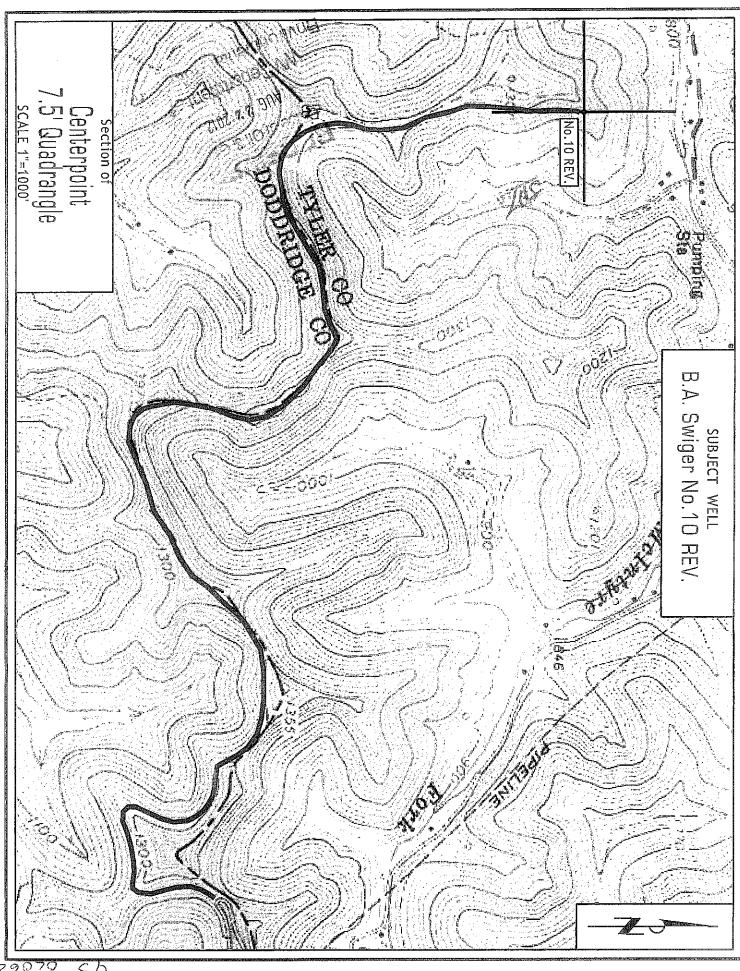
Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact the at (304) 926-0499 ext. 1654.

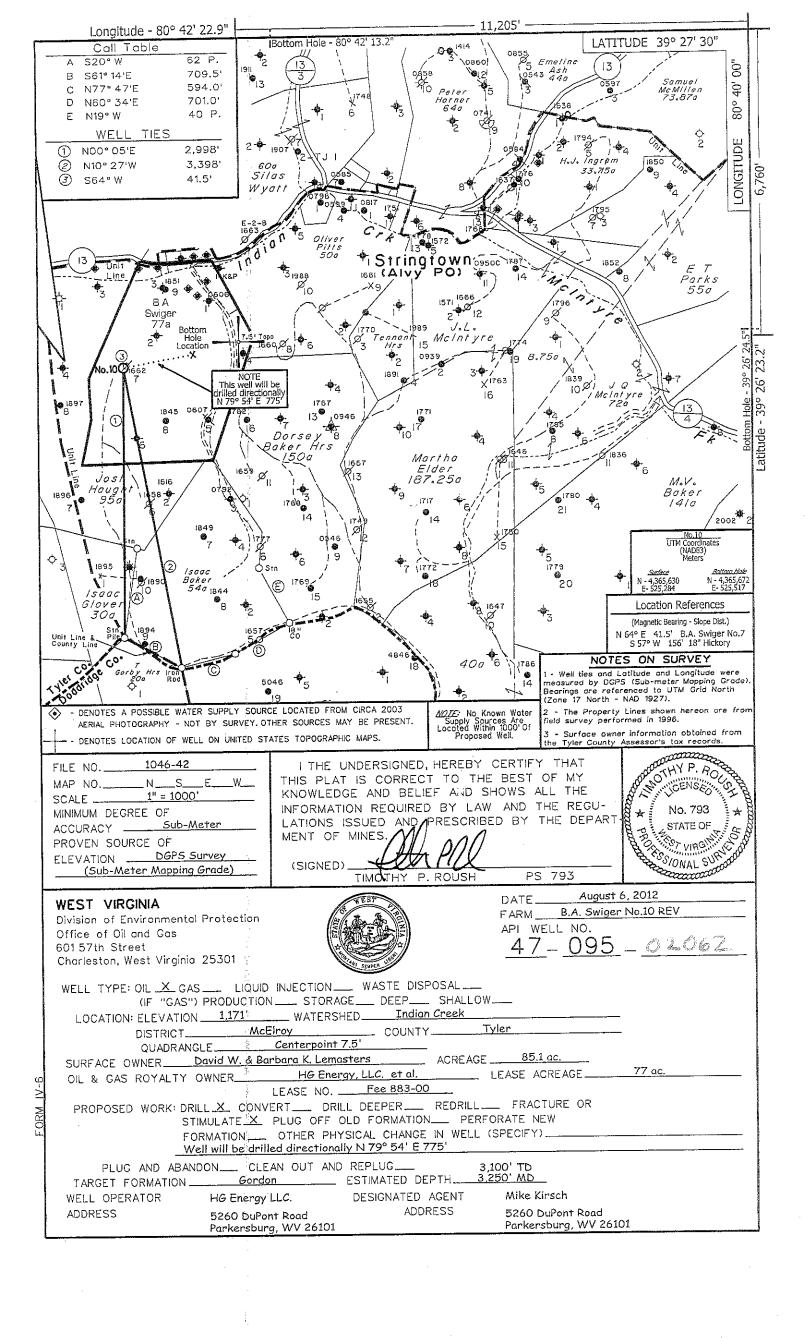
Operator's Well No: B.A. SWIGER 10

Farm Name: LEMASTERS, DAVID W. AND BA

imes Martin

API Well Number: 47-9502062
Permit Type: Vertical Well
Date Issued: 09/14/2012







Office of Oil and Gas 601 57th Street SE Charleston, WV 25304 (304) 926-0450 (304) 926-0452 fax Earl Ray Tomblin, Governor Randy C. Huffman, Cabinet Secretary www.dep.wv.gov

September 14, 2012

WELL WORK PERMIT

Horizontal 6A Well

This permit, API Well Number: 47-8509970, issued to ANTERO RESOURCES APPALACHIAN CORPORATION, is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to all conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas inspector.

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In addition to the applicable requirements of this permit, and the statutes and rules governing oil and gas activity in WV, this permit may contain specific conditions which must be followed. Permit conditions are attached to this cover letter.

Per 35CSR-4-5.2.g this permit will expire in two (2) years from the issued the unless permitted well work is commenced. If there are any questions, please feet from the at (304) 926-0499 ext. 1654.

James Martin 👜 🔊

Chief

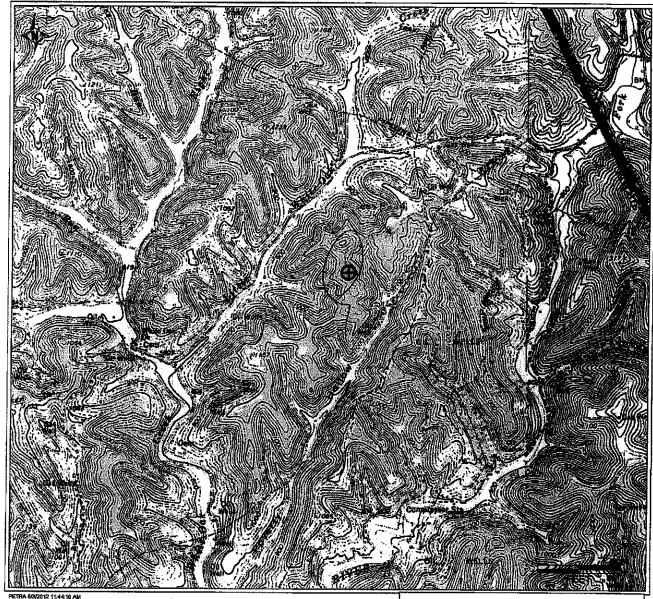
Operator's Well No: PRUNTY UNIT 1H

Farm Name: O'NEIL FAMILY TRUST ET AL

API Well Number: 47-8509970

Permit Type: Horizontal 6A Well

Date Issued: 09/14/2012



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SEP **6** ZIIZ

Antero Resources Corporation

APPALACHIAN BASIN

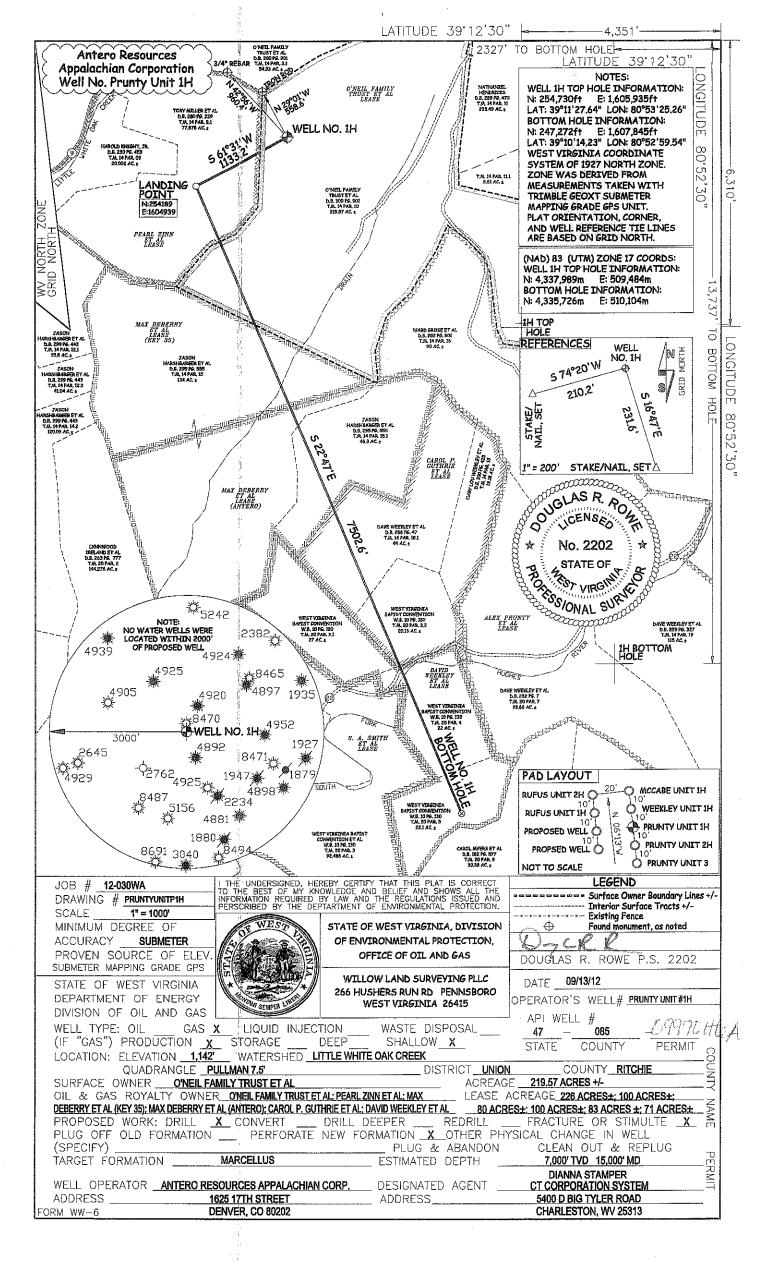
Prunty Unit 1H Ritchie County

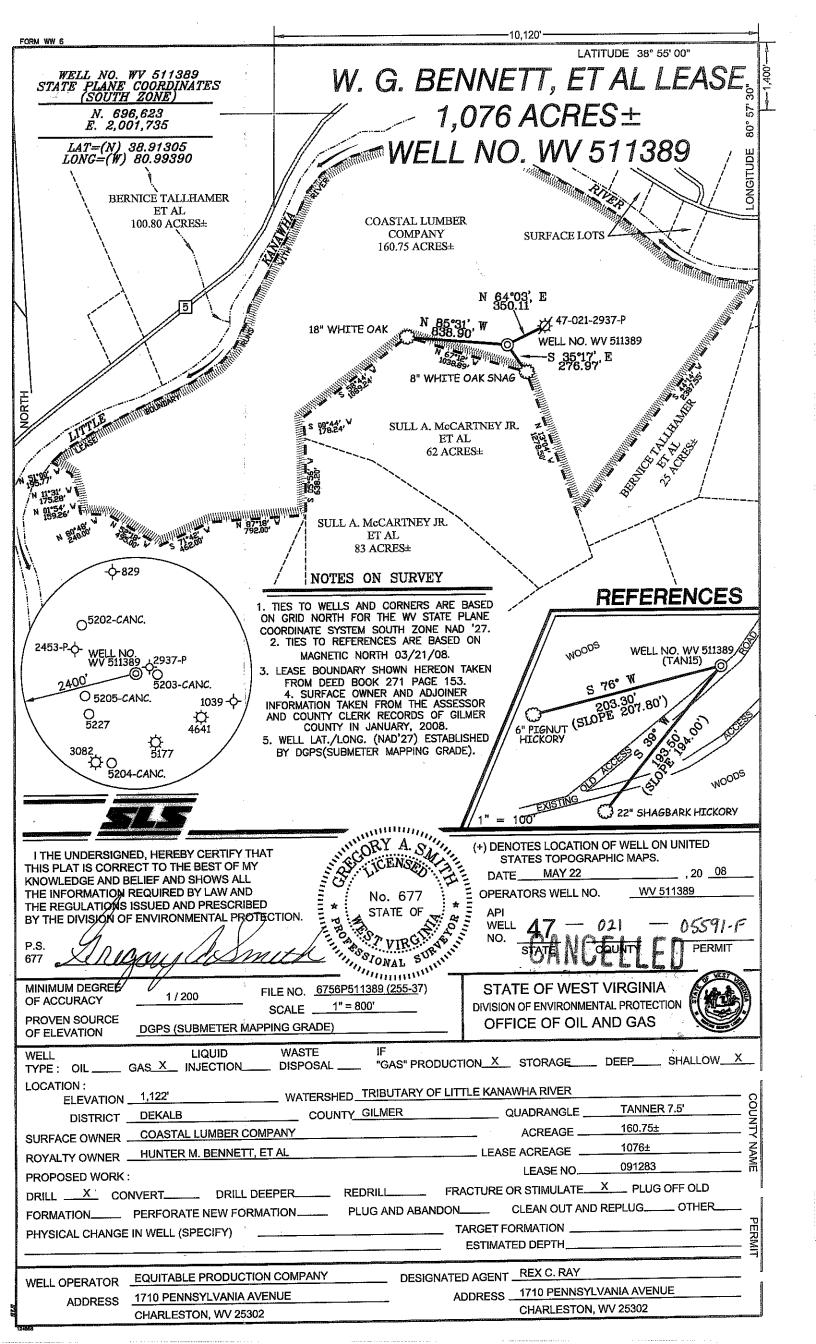
0 2,000 4,900 FEET

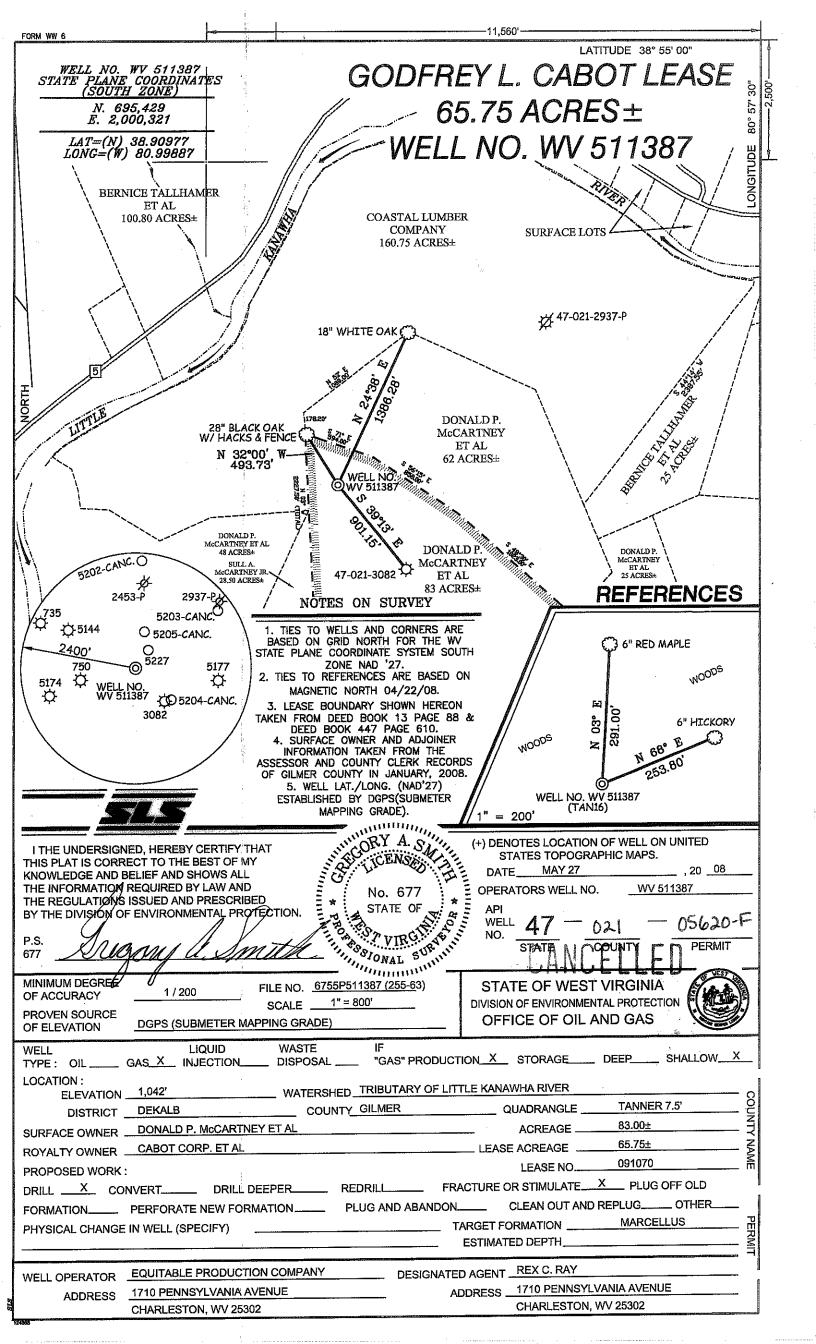
REMARKS
QUADRANGLE: PULLMAN
WATERSHED: LITTLE WHITE OAK CREEK
DISTRICT: UNION

Date: 5/14/2012

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West Virginia Department of Environmental Protection Office of Oil and Gas WELL LOCATION FORM: GPS

FARM NAME: Bedford Land
RESPONSIBLE PARTY NAME:Equitable Production Company
COUNTY: Kanawha DISTRICT: Cabin Creek
QUADRANGLE:Dorothy 7.5'
SURFACE OWNER: Penn Virginia Coal Co. c/o Gary Persinger
ROYALTY OWNER: Penn Virginia Coal Co. c/o Gary Persinger
UTM GPS NORTHING: 4205419
UTM GPS EASTING: 466140 GPS ELEVATION: 515 m (1687ft)
The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements: 1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters. 2. Accuracy to Datum – 3.05 meters 3. Data Collection Method: Survey grade GPS: Post Processed Differential

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